



Solve each problem.

**Answers**

1)  $70 \div 5 \times (9 - 5 \times 3 + 2 - 1)$

2)  $(8 + 5^2) \times 9 + 18 \div 6$

3)  $2 \times 1 \times (6 - 60 \div 5 \times 9 + 8)$

4) A water faucet leaked  $3 \frac{1}{4}$  liters of water every  $\frac{4}{5}$  of an hour. It leaked at a rate of how many liters per hour?

5) Make an equivalent ratio.  
 $15 : \underline{\hspace{1cm}} = 5 : 3$

6)  $\frac{\hspace{1cm}}{64} = \frac{75}{100}$

7)  $72 - (-69) = \underline{\hspace{2cm}}$

8)  $(-16) - 11 = \underline{\hspace{2cm}}$

9)  $18 + (-13) = \underline{\hspace{2cm}}$

10)  $-7 \div (-7) = \underline{\hspace{2cm}}$

11)  $(-7) \times 3 = \underline{\hspace{2cm}}$

12) Simplify the expression.  
 $6(7 + 8v) - 5v$

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_

7. \_\_\_\_\_

8. \_\_\_\_\_

9. \_\_\_\_\_

10. \_\_\_\_\_

11. \_\_\_\_\_

12. \_\_\_\_\_

13. \_\_\_\_\_

14. \_\_\_\_\_

15. \_\_\_\_\_

16. \_\_\_\_\_

17. \_\_\_\_\_

18. \_\_\_\_\_

19. \_\_\_\_\_

20. \_\_\_\_\_



**Solve each problem.**

- 13)** Find the value of the variable.

$$16 + W = 8 \times 3$$

- 14)** Find the value of the variable.

$$4 \times 5 = Z - 38$$

- 15)** Write the answer as an improper fraction (if possible). Make sure to reduce each answer.

$$\frac{14}{5} \times \frac{1}{2} =$$

- 16)** Write your answer as a mixed number (if possible).

$$5 \frac{2}{3} - \frac{17}{4} =$$

- 17)** Write your answer as a mixed number (if possible). **18)** Find the value of W.

$$W \div 3 = 6$$

$$3 \frac{2}{9} - \frac{5}{3} =$$

- 19)** Find the value of R.

$$34 = R - 62$$

- 20)** Find the value of L.

$$98 = 34 + L$$



Solve each problem.

1)  $70 \div 5 \times (9 - 5 \times 3 + 2 - 1)$

2)  $(8 + 5^2) \times 9 + 18 \div 6$

$(8 + 25) \times 9 + 18 \div 6$

$33 \times 9 + 18 \div 6$

$297 + 18 \div 6$

$297 + 3$

$300$

3)  $2 \times 1 \times (6 - 60 \div 5 \times 9 + 8)$

4) A water faucet leaked  $3 \frac{1}{4}$  liters of water every  $\frac{4}{5}$  of an hour. It leaked at a rate of how many liters per hour?

5) Make an equivalent ratio.

$15 : \underline{9} = 5 : 3$

6)  $\frac{48}{64} = \frac{75}{100}$

7)  $72 - (-69) = \underline{141}$

8)  $(-16) - 11 = \underline{-27}$

9)  $18 + (-13) = \underline{5}$

10)  $-7 \div (-7) = \underline{1}$

11)  $(-7) \times 3 = \underline{-21}$

12) Simplify the expression.

$6(7 + 8v) - 5v$

$42 + 48v - 5v$

$42 + 43v$

**Answers**

1.  $\underline{-70}$

2.  $\underline{300}$

3.  $\underline{-188}$

4.  $\underline{4 \frac{1}{16}}$

5.  $\underline{9}$

6.  $\underline{48}$

7.  $\underline{141}$

8.  $\underline{-27}$

9.  $\underline{5}$

10.  $\underline{1}$

11.  $\underline{-21}$

12.  $\underline{42 + 43v}$

13.  $\underline{8}$

14.  $\underline{58}$

15.  $\underline{14 \frac{1}{10} = 7 \frac{7}{5}}$

16.  $\underline{1 \frac{5}{12}}$

17.  $\underline{1 \frac{5}{9}}$

18.  $\underline{18}$

19.  $\underline{96}$

20.  $\underline{64}$



Solve each problem.

- 13) Find the value of the variable.

$$16 + W = 8 \times 3$$

- 14) Find the value of the variable.

$$4 \times 5 = Z - 38$$

- 15) Write the answer as an improper fraction (if possible). Make sure to reduce each answer.

$$\frac{14}{5} \times \frac{1}{2} =$$

$$\begin{array}{rcccl} 14 & & 1 & & 14 \\ 5 & \times & 2 & = & 10 \end{array}$$

- 17) Write your answer as a mixed number (if possible). 18) Find the value of W.

$$W \div 3 = 6$$

$$3 \frac{2}{9} - \frac{5}{3} =$$

- 19) Find the value of R.

$$34 = R - 62$$

- 20) Find the value of L.

$$98 = 34 + L$$